

Appln No.: 10/625,355

Amendment Dated: July 23, 2005

Reply to Office Action of January 14, 2005 and Notice of Non-Compliant Amendment

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-8. (canceled)

9. (currently amended) A process for preparing transparent aromatic polyester / aromatic polycarbonate composition in a one step reactive extrusion process, said process comprising: reacting together at a first location in a molten state at a temperature between about 225 to about 350°C, an aromatic polycarbonate resin and an aromatic polyester resin and in the presence of an effective amount of an ester interchange catalyst in an amount of 50 to 300 ppm, adding to the molten mixture at a location downstream from the first location as part of the same reactive extrusion processing, an effective amount of an acidic stabilizing additive, kneading said stabilizing additive and said molten stream for a resulting copolymer blend having a single glass transition temperature.

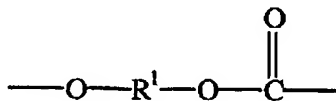
10. (original) The process of claim 9, wherein said catalyst is selected from the group consisting of alkali metal and alkaline earth metal salts of aromatic dicarboxylic acids, alkali metal and alkaline earth metal salts of aliphatic dicarboxylic acids, Lewis acids, metal oxides, their coordination complexes and mixtures thereof.

11. (original) The process of claim 9, wherein said catalyst is present in less than about 300 ppm.

12. (original) The process of claim 9, wherein said polyester is a poly(ethylene terephthalate), a poly(1,4-butylene terephthalate), a cyclohexanedimethanol-terephthalic acid-ethylene glycol, a poly(cyclohexanedimethanol terephthalate), or a poly(alkylene naphthalate).

13. (canceled)

14. (original) The process of claim 9, wherein said polycarbonate comprises repeating units of the formula



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wherein R¹ is a divalent aromatic radical derived from a dihydroxyaromatic compound of the formula HO-R¹-OH..

15. (original) The process of claim 9, wherein said transparent polyester / polycarbonate composition is in a range of about 10 percent to about 90 percent by weight of polyester and 90 - 10 percent by weight of polycarbonate.

16. (original) The process of claim 9, wherein said acidic stabilizing additive is selected from the group consisting of: phosphorus oxo acids, acid organo phosphates, acid organo phosphites, diphosphites, esters of phosphoric acid, salts of phosphoric acids arylphosphonic acid, arylacid phosphate metal salts, acidic phosphite metal salts or mixtures thereof.

17. (original) The process of claim 9, wherein said catalyst is present at a level from about 5 ppm to about 2000 ppm percent by weight based on the total weight of said composition.

18. (currently amended) The process of claim 9, wherein said acid stabilizing additive is present at a level of less than from about 0 to about 2 percent by weight based on the total weight of said composition.

19. (original) An article comprising the composition of claim 9.

20. (currently amended) A process for preparing a transparent aromatic polyester / aromatic polycarbonate composition in a one step reactive extrusion process, said process comprising:
melt mixing together at a first location in a molten state, at a temperature between about 225 to 350°C, an aromatic polycarbonate resin and an aromatic polyester resin, in presence of an effective amount of an ester-interchange catalyst in an amount of 50 to 300 ppm,
adding at a location downstream from the first location as part of the same reactive extrusion processing, an effective amount of an acidic stabilizing additive,
kneading said stabilizing additive and said molten stream for a resulting copolymer blend having a single glass transition temperature.

21. (original) The process of claim 20, wherein said polyester is a poly(ethylene terephthalate), a poly(1,4-butylene terephthalate), a cyclohexanedimethanol-terephthalic acid-ethylene glycol, a poly(cyclohexanedimethanol terephthalate), or a poly(alkylene naphthalate).

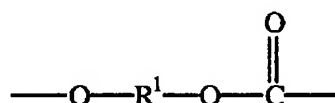
22. (original) The process of claim 20, wherein said polyester is a poly (ethylene -co-cyclohexylenedimethylene) terephthalate.

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23. (original) The process of claim 20, wherein said polycarbonate comprises repeating units of the formula



wherein R¹ is a divalent aromatic radical derived from a dihydroxyaromatic compound of the formula HO-R¹-OH..

24. (original) The process of claim 25, wherein the dihydroxyaromatic compound from which R¹ is derived is bisphenol A.

25. (original) The process of claim 20, wherein said catalyst is selected from the group consisting of sodium stearate, zinc stearate, calcium stearate, magnesium stearate, sodium acetate, calcium acetate, zinc acetate, magnesium acetate, manganese acetate, lanthanum acetate, lanthanum acetylacetonate, sodium benzoate, sodium tetraphenyl borate, dibutyl tin oxide, antimony trioxide, sodium polystyrenesulfonate, PBT-ionomer, titanium isopropoxide and tetraammoniumhydrogensulfate and mixtures thereof.

26-28 (canceled)

29. (original) The process of claim 20, wherein said transparent polyester / polycarbonate composition is in a range of about 10 - 90 percent by weight of polyester and 90 - 10 percent by weight of polycarbonate.

30. (original) The process of claim 20, wherein said transparent polyester / polycarbonate composition is in a range of about 25 - 75 percent by weight of polyester and 75 - 25 percent by weight of polycarbonate.

31. (original) The process of claim 20, wherein said transparent polyester / polycarbonate composition is in a range of about 25 percent by weight of polyester and 75 percent by weight of polycarbonate.

32. (original) The process of claim 20, wherein said acidic stabilizing additive is selected from the group consisting of phosphorous compounds consisting of: phosphorus oxo acids, acid organo phosphates, acid organo phosphites, diphosphites, esters of phosphoric acid, salts of phosphoric acids arylphosphonic acid, arylacid phosphate metal salts, or mixtures thereof.

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33. (original) The process of claim 20, wherein said acidic stabilizing additive is phosphoric acid.

34. (currently amended) The process of claim 20, wherein said stabilizing additive is present at a level of less than ~~from about 0 to~~ about 2 percent by weight based on the total weight of said composition.

35. (original) The process of claim 20, wherein said stabilizing additive is present at a effective amount.

36. (canceled)

37. (original) The process of claim 20, wherein the amount of catalyst is in the range of about 20 ppm to about 50 ppm the said polyester / aromatic polycarbonate composition is ductile.

38. (original) The process of claim 20, wherein the amount of catalyst is in the range of greater than about 100 ppm the said polyester / aromatic polycarbonate composition is brittle.

39. (original) The process of claim 37 where in said catalyst is selected independently from the group consisting of sodium stearate, calcium acetate, zinc acetate, magnesium acetate and mixtures thereof.

40. (original) The process of claim 38 where in said catalyst is sodium stearate, dibutyltin oxide, zinc stearate and mixtures thereof.

41. (currently amended) An aromatic ~~The polyester / aromatic polycarbonate composition produced by the method~~ of claim 30, wherein said composition has a yellowness index of about less than 20.

42. (currently amended) An aromatic ~~The polyester / aromatic polycarbonate composition produced by the method~~ of claim 30, wherein said composition transmits about greater than 70 percent light in the region of about 250nm to about 300nm.

43. (currently amended) An aromatic ~~The polyester / aromatic polycarbonate composition produced by the method~~ of claim 30, wherein said composition has a haze value about less than 30.

44. (currently amended) An article comprising ~~the a~~ composition produced by the method of claim 30.

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45. (new) The process of claim 9, wherein the ester exchange catalyst is selected from the group consisting of sodium stearate, zinc stearate, magnesium stearate, sodium acetate, calcium acetate, magnesium acetate, manganese acetate, lanthanum acetylacetoacetone, sodium benzoate, sodium tetraphenyl borate and dibutyl tin oxide

46. (new) The process of claim 20, wherein the ester exchange catalyst is selected from the group consisting of sodium stearate, zinc stearate, magnesium stearate, sodium acetate, calcium acetate, magnesium acetate, manganese acetate, lanthanum acetylacetoacetone, sodium benzoate, sodium tetraphenyl borate and dibutyl tin oxide